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RAW SEQUENCE LISTING
ERROR REPORT

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form:

Application Serial Number: _10/669,162 B_
Source: _IF(1)16_
Date Processed by STIC: _7/28/04_

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MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

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Revised 05/17/04

RAW SEQUENCE LISTING   DATE: 07/28/2004
PATENT APPLICATION: US/10/669,162B   TIME: 15:47:40

Input Set : A:\228234_5.doc
Output Set: N:\CRF4\07282004\J669162B.raw

```
 183 <212> TYPE: RNA
 184 <213> ORGANISM: Artificial Sequence
 186 <220> FEATURE:
 187 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =
 188       synthetic construct
 190 <220> FEATURE:
 191 <221> NAME/KEY: misc_feature
 192 <222> LOCATION: 1, 7-9, 13, 14, 16, 18, 25, 26, 32, 33, 37, 39, 42, 43, 50,
 193       51
 194 <223> OTHER INFORMATION: n = g, a, c or u
 196 <220> FEATURE:
 197 <221> NAME/KEY: misc_feature
 198 <222> LOCATION: 38, 44
 199 <223> OTHER INFORMATION: r = a or g
 201 <220> FEATURE:
 202 <221> NAME/KEY: misc_feature
 203 <222> LOCATION: 17, 34
 204 <223> OTHER INFORMATION: y = c or u
 206 <400> SEQUENCE: 9
>207 ncuuaunnng agnngnynga gggannggcc cnnyganrnc cnnrgcaacn n
 365 <210> SEQ ID NO: 18
 366 <211> LENGTH: 22
 367 <212> TYPE: RNA
 368 <213> ORGANISM: Arabidopsis thaliana
 370 <220> FEATURE:
 371 <221> NAME/KEY: misc_feature
 372 <222> LOCATION: 9
 373 <223> OTHER INFORMATION: d = g, a or u
 375 <220> FEATURE:
 376 <221> NAME/KEY: misc_feature
 377 <222> LOCATION: 1-7, 10-16
 378 <223> OTHER INFORMATION: n = g, a, c or u
 380 <400> SEQUENCE: 18
>381 nnnnnnngdn nnnnnncuga ga
1043 <210> SEQ ID NO: 60
1044 <211> LENGTH: 23
1045 <212> TYPE: RNA
1046 <213> ORGANISM: Bacillus subtilis
1048 <220> FEATURE:
1049 <221> NAME/KEY: misc_feature
1050 <222> LOCATION: 12-131
1051 <223> OTHER INFORMATION: n = g, a, c or u
1053 <220> FEATURE:
1054 <221> NAME/KEY: misc_feature
1055 <222> LOCATION: 2, 11, 52, 53, 70, 92, 132
1056 <223> OTHER INFORMATION: r = a or g
1058 <220> FEATURE:
1059 <221> NAME/KEY: misc_feature
1060 <222> LOCATION: 3, 135
```

(handwritten annotations: "✓ Insert" near line 204; "Same error → 51" near line 207; "✓ Insert" near line 378; "Same error → 22" near line 381)

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```
1061 <223> OTHER INFORMATION: w = a or u
1063 <220> FEATURE:
1064 <221> NAME/KEY: misc_feature
1065 <222> LOCATION: 64, 72, 93, 119, 136
1066 <223> OTHER INFORMATION: y = c or u
1068 <400> SEQUENCE: 60
1069 rwagagggc rnnnnnnann agua
1636 <210> SEQ ID NO: 98
1637 <211> LENGTH: 51
1638 <212> TYPE: RNA
1639 <213> ORGANISM: Bacillus subtilis
1641 <221> NAME/KEY: misc_feature
1642 <222> LOCATION: 8, 13, 14, 26, 32, 33, 37, 41, 42, 50, 51, 54, 55, 63, 67
1643 <223> OTHER INFORMATION: n = g, a, c or u
1645 <220> FEATURE:
1646 <221> NAME/KEY: misc_feature
1647 <222> LOCATION: 18, 38, 44, 53, 68, 71, 72, 78, 79, 84, 87
1648 <223> OTHER INFORMATION: r = a or g
1650 <220> FEATURE:
1651 <221> NAME/KEY: misc_feature
1652 <222> LOCATION: 1, 17, 25, 34, 60, 74, 75
1653 <223> OTHER INFORMATION: y = c or u
1655 <400> 98
1656 ycuuacnag agnnggyrga gggaynggcc cnnyganrcc nncrgcaacn n
7181 <210> SEQ ID NO: 379
7182 <211> LENGTH: 30
7183 <212> TYPE: RNA
7184 <213> ORGANISM: Artificial Sequence
7186 <220> FEATURE:
7187 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =
7188       synthetic construct
7190 <220> FEATURE:
7191 <221> NAME/KEY: misc_feature
7192 <222> LOCATION: 3-4, 7-9, 12, 14-15, 21, 24, 28-30
7193 <223> OTHER INFORMATION: n = g, a, c or u
7195 <220> FEATURE:
7196 <221> NAME/KEY: misc_feature
7197 <222> LOCATION: 1, 10, 22, 27, 31
7198 <223> OTHER INFORMATION: r = a or g
7200 <400> SEQUENCE: 379
7201 rannccnnnr cngnncccgc nrcngurnnn r          31
7392 <210> SEQ ID NO: 388
7393 <211> LENGTH: 19
7394 <212> TYPE: RNA
7395 <213> ORGANISM: Artificial Sequence
7397 <220> FEATURE:
7398 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =
7399       synthetic construct
7401 <220> FEATURE:
```

(handwritten annotations: line 1069 "same error → 23"; line 1656 "same error → 51"; line 7182 "found 31"; line 7201 "31 ✓"; line 7393 "found 18"; "ask")

RAW SEQUENCE LISTING   DATE: 07/28/2004
PATENT APPLICATION: US/10/669,162B   TIME: 15:47:41

Input Set : A:\228234_5.doc
Output Set: N:\CRF4\07282004\J669162B.raw

```
7402 <221> NAME/KEY: misc_feature
7403 <222> LOCATION: 1-3, 10-11, 14-17, 19
7404 <223> OTHER INFORMATION: n = g, a, c or u
7406 <220> FEATURE:
7407 <221> NAME/KEY: misc_feature
7408 <222> LOCATION: 18
7409 <223> OTHER INFORMATION: r = a or g
7411 <220> FEATURE:
7412 <221> NAME/KEY: misc_feature
7413 <222> LOCATION: 8
7414 <223> OTHER INFORMATION: y = c or u
7416 <400> SEQUENCE: 388
7417 nngugcyan nccnnnnrn
7498 <210> SEQ ID NO: 393
7499 <211> LENGTH: 43
7500 <212> TYPE: RNA
7501 <213> ORGANISM: Artificial Sequence
7503 <220> FEATURE:
7504 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =
7505        synthetic construct
7507 <220> FEATURE:
7508 <221> NAME/KEY: misc_feature
7509 <222> LOCATION: 1-8, 14-20, 21-22, 32-43
7510 <223> OTHER INFORMATION: n = g, a, c or u
7512 <220> FEATURE:
7513 <221> NAME/KEY: misc_feature
7514 <222> LOCATION: 9-10, 29
7515 <223> OTHER INFORMATION: r = a or g
7517 <220> FEATURE:
7518 <221> NAME/KEY: misc_feature
7519 <222> LOCATION: 23, 31
7520 <223> OTHER INFORMATION: y = c or u
7522 <400> SEQUENCE: 393
7523 nnnnnnnnrr aggnnnnnnn nnygccgarg ynnnnnnnnn nnn
7567 <210> SEQ ID NO: 396
7568 <211> LENGTH: 27
7569 <212> TYPE: RNA
7570 <213> ORGANISM: Artificial Sequence
7572 <220> FEATURE:
7573 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =
7574        synthetic construct
7576 <220> FEATURE:
7577 <221> NAME/KEY: misc_feature
7578 <222> LOCATION: 1-11
7579 <223> OTHER INFORMATION: n = g, a, c or u
7581 <220> FEATURE:
7582 <221> NAME/KEY: misc_feature
7583 <222> LOCATION: 12
7584 <223> OTHER INFORMATION: y = c or u
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/669,162B

DATE: 07/28/2004
TIME: 15:47:41

Input Set : A:\228234_5.doc
Output Set: N:\CRF4\07282004\J669162B.raw

```
   7586 <400> SEQUENCE: 396
-> 7587 nnnnnnnnn nyuguca
```

(27)- | 7

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/669,162B

DATE: 07/28/2004
TIME: 15:47:42

Input Set : A:\228234_5.doc
Output Set: N:\CRF4\07282004\J669162B.raw

```
.:71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:120
I:341 Repeated in SeqNo=3
.:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
I:341 Repeated in SeqNo=5
.:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
.:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
.:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
.:179 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:36 SEQ:8
.:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
.:207 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:51 SEQ:9
.:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
I:341 Repeated in SeqNo=10
.:264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
I:341 Repeated in SeqNo=11
.:298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
.:331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
I:341 Repeated in SeqNo=15
.:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
I:341 Repeated in SeqNo=16
.:361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
I:341 Repeated in SeqNo=17
.:381 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
.:381 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:18
.:394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
.:408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
.:422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
I:341 Repeated in SeqNo=21
.:437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
I:341 Repeated in SeqNo=22
.:453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
I:341 Repeated in SeqNo=23
.:470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
I:341 Repeated in SeqNo=24
.:485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
I:341 Repeated in SeqNo=25
.:500 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
I:341 Repeated in SeqNo=26
.:517 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
I:341 Repeated in SeqNo=27
.:532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
I:341 Repeated in SeqNo=28
.:547 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
I:341 Repeated in SeqNo=29
.:563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
:341 Repeated in SeqNo=30
.:579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
:341 Repeated in SeqNo=31
.:595 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/669,162B

DATE: 07/28/2004
TIME: 15:47:42

Input Set : A:\228234_5.doc
Output Set: N:\CRF4\07282004\J669162B.raw

```
1:341 Repeated in SeqNo=32
.:611 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
1:341 Repeated in SeqNo=33
.:628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
1:341 Repeated in SeqNo=34
.:1069 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:23 SEQ:60
.:1655 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:98
.:1656 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:51 SEQ:98
.:7201 M:252 E: No. of Seq. differs, <211> LENGTH:Input:30 Found:31 SEQ:379
.:7417 M:254 E: No. of Bases conflict, LENGTH:Input:19 Counted:18 SEQ:388
.:7417 M:252 E: No. of Seq. differs, <211> LENGTH:Input:19 Found:18 SEQ:388
.:7523 M:254 E: No. of Bases conflict, LENGTH:Input:43 Counted:44 SEQ:393
.:7523 M:252 E: No. of Seq. differs, <211> LENGTH:Input:43 Found:44 SEQ:393
.:7587 M:254 E: No. of Bases conflict, LENGTH:Input:27 Counted:17 SEQ:396
.:7587 M:252 E: No. of Seq. differs, <211> LENGTH:Input:27 Found:17 SEQ:396
.:22 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (377) Counted (410)
```

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.